

REMARKS

The Office Action dated November 17, 2006 has been received and carefully noted. The above amendments to the claims, and the following remarks, are submitted as a full and complete response thereto.

In accordance with the foregoing, claim 4 has been amended to improve clarity of the features recited therein. Support for the amended recitations may be found, for instance, on page 12, lines 18-22, of the Specification and FIG. 3(B). No new matter is being presented, and approval and entry are respectfully requested.

Claim 6 was objected to as being dependent on rejected base claim. Applicants respectfully submit that base claim 4 should be allowed, as explained below, and, therefore, respectfully requests that this rejection be withdrawn.

Claims 4-6 are pending and under consideration.

REJECTION UNDER 35 U.S.C. § 102:

In the Office Action, at page 2, claim 4 was rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent No. 4,082,180 to Chung ("Chung"). The Office Action took the position that Chung describes all the recitations of independent claim 4. It is respectfully asserted that, for at least the reasons provided herein below, Chung fails to teach or suggest the recitations of the pending claims. Reconsideration is requested.

Independent claim 4, upon which claims 5-6 are dependent, recites a motorized roller including a roller body of the motorized roller, a motor disposed inside the roller body, a reducer which is disposed inside the roller body, and reduces the rotation of the motor, and a rotor which is disposed inside the roller body, and connected with the reducer and the roller body to transmit power of the reducer to the roller body. Wherein the roller body comprises a first roller body and a second roller body, and an axial end section of a second roller body side of the first roller body and an axial end section of a first roller body side of the second roller body are connected at a power transmission section between the rotor and the roller body.

As shown in FIG. 1 and described in column 1, line 65, to column 2, line 8, of Chung, numeral 10 indicates generally a conveyor belt assembly including a pulley 12, pillow blocks 14 and 16, a torque arm 18 and a conveyor belt 20. An idle or non-driven conveyor pulley is provided at the opposite end of the conveyor for the belt and is normally the same diameter as the driven pulley. The pulley and belt are one section of a conveyor system in which a number of such pulley assemblies are used. The pulley consists of a cylindrical rim 30 and end discs 32 and 34 preferably recessed in the respective ends of the rim. The two steel ends (end discs 32 and 34) are secured by welding to steel rim 30 to form a rigid structure, the rim and the two end discs defining compartment 36 in the pulley.

According to the Office Action, the first roller body recited in independent claim 4 corresponds to the conveyor belt 20 of Chung and the second roller body recited in

independent claim 4 corresponds to the cylindrical rim 30 of Chung. However, as clearly shown in FIGS. 1, 3(A), and 3(B) of the present application, the configuration of the first and second roller bodies of the present invention are not taught or suggested by Chung. To further clarify the configuration of the roller bodies, independent claim 4 has been amended, in part, to recite, “an axial end section of a second roller body side of the first roller body and an axial end section of a first roller body side of the second roller body are connected at a power transmission section between the rotor and the roller body.” Accordingly, Applicants respectfully submit that Chung does not teach or suggest a configuration where the end sections of the sides of the conveyor belt 20 and the cylindrical rim 30 are connected at a power transmission section between the rotor and the roller body. It would not be possible for a person of ordinary skill in the art to arrive to the presently claimed invention in light of the arrangement of the motorized conveyor pulley described in Chung. Therefore, Chung does not anticipate the recitations of independent claim 4.

It is respectfully requested that independent claim 4 be allowed.

On page 4 of the Office Action, claims 4-5 were rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent No. 6,447,336 to Fannin et al. (“Fannin”). The Office Action took the position that Fannin describes all the recitations of independent claim 4 and related dependent claim 5. It is respectfully asserted that, for at least the reasons

provided herein below, Fannin fails to teach or suggest the recitations of the pending claims. Reconsideration is requested.

Fannin generally describes an electrical connector including a housing including a gear train 84 and rotor stator assembly 82. See column 4, lines 33-54. The housing generally comprises outer tube 88, outer plate 104, and second outer plate 108. Outer plate 104 is attached to an outer ring 89 secured to outer tube 88 by a plurality of bolts. Likewise, second outer plate 108 is attached to outer tube 88 at an outer diameter of outer plate 108 by a second plurality of bolts and outer ring 91. Finally, second outer plate 108 and outer plate 104 are rotatably supported on second shaft 112 and shaft 12 respectively. Second outer plate 108 is supported by bearing 110 while outer plate 104 is supported by bearing 95. Bearings 110 and 95 allow outer tube 88 to rotate with respect to second shaft 112 and shaft 12.

According to the Office Action, the first roller body recited in independent claim 4 corresponds to the outer plate 104 of Fannin and the second roller body recited in independent claim 4 corresponds to the outer tube 88 of Fannin. However, as clearly shown in FIG. 1, 3(A), and 3(B) of the present application, the configuration of the first and second roller bodies of the present invention are not taught or suggested in Fannin. The configuration of the outer plate 104 and the outer tube 88 illustrated in FIG. 4 of Fannin and described in columns 3 and 4 do not provide for the configuration of the first and second roller bodies recited in independent claim 4. Specifically, Fannin fails to teach or suggest, at least, “an axial end section of a second roller body side of the first

roller body and an axial end section of a first roller body side of the second roller body are connected at a power transmission section between the rotor and the roller body,” as recited in independent claim 4. Fannin does not describe nor illustrate a configuration where the end sections of the sides of the outer plate 104 and the outer tube 88 are connected at a power transmission section between the rotor and the roller body. Rather, the outer plate 104 is attached to an outer ring 89 secured to the outer tube 88 by a plurality of bolts.

It would not be possible for a person of ordinary skill in the art to arrive to the presently claimed invention in view of the arrangement of the electrical connector described in Fannin. Accordingly, Fannin does not anticipate the recitations of independent claim 4 and related dependent claim 5.

Accordingly, it is respectfully requested that independent claim 4 and related dependent claims be allowed.

CONCLUSION:


In view of the above, Applicants respectfully submit that the claimed invention recites subject matter which is neither disclosed nor suggested in the cited prior art. Applicants further submit that the subject matter is more than sufficient to render the claimed invention unobvious to a person of skill in the art. Applicants therefore respectfully request that each of claims 4-5 be found allowable and, along with allowed claim 6, this application passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the Applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the Applicants respectfully petition for an appropriate extension of time.

Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,


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Enclosures: Petition for Extension of Time (1 Month)